



#12  
RCE  
y Robinson  
7/24/03

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/045,137 Confirmation No.: 3416  
First Named Inventor: Wang, Albert Z. H. Filing Date: 23 October 2001  
Group Art Unit: 2811 Examiner: Hu, S.  
Atty. Docket No.: NS-3868-2C US  
Title: Dual Direction Over-Voltage And Over-Current IC Protection  
Device And Its Cell Structure  
Assignee(s): National Semiconductor Corporation

Mountain View, California  
10 June 2003

**MAIL STOP RCE  
COMMISSIONER FOR PATENTS  
PO Box 1450  
Alexandria, Virginia 22313-1450**

**REQUEST FOR CONTINUED EXAMINATION  
UNDER 37 CFR 1.114**

Sir:

This is a Request for Continued Examination ("RCE") of the above patent application under 37 CFR 1.114.

Please enter and/or consider the following document which is enclosed or was previously submitted: Amendment, dated 10 June 2003.

The RCE fee required under 37 CFR 1.17(e) is authorized in an accompanying transmittal letter.

Please telephone Attorney for Applicant(s) at 650-964-9767 if there are any questions.

**EXPRESS MAIL LABEL NO.:**

**ER 070 767 528 US**

Respectfully submitted,

*Ronald J. Meetin*

Ronald J. Meetin  
Attorney for Applicant(s)  
Reg. No. 29,089

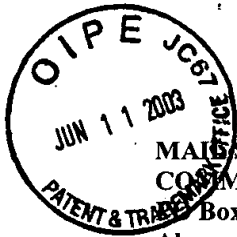
210 Central Avenue  
Mountain View, CA 94043-4869

RONALD J. MEETIN  
Attorney at Law  
210 Central Avenue  
Mountain View, CA  
94043-4869  
Tel: 650-964-9767  
Fax: 650-964-9779

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10 June 2003

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2811

MAILED STOP RCE  
COMMISSIONER FOR PATENTS  
Box 1450  
Alexandria, Virginia 22313-1450

Re: Application No.: 10/045,137 Confirmation No.: 3416  
First Inventor: Albert Z.H. Wang Filing Date: October 23, 2001  
Group Art Unit: 2811 Examiner: Hu, S.  
Atty. Docket No.: NS-3868-2C US  
Title: Dual Direction Over-Voltage And Over-Current IC Protection Device And Its Cell Structure  
Assignee: National Semiconductor Corporation

Sir:

Transmitted herewith are the following documents for the above patent application:

- (1) Return Receipt Postcard;
- (2) This Transmittal Letter (in duplicate);
- (3) RCE (1 pp.);
- (4) Amendment (13 pps.);
- (5) Appendix (4 pps.); and
- (6) Gray ref.

☒ The fee has been calculated as shown below:

**CLAIMS AS AMENDED**

Claims Remaining <u>After Amendment</u>		Highest No. Previously <u>Paid For</u>		Present <u>Extra</u>		<u>Rate</u>		<u>Additional Fee</u>
Total Claims	25	Minus	20	=	5	x	\$18.00	\$ 90.00
Independent Claims	3	Minus	3	=	0	x	\$84.00	\$ 0.00
<input type="checkbox"/>	Fee of \$280 for the first filing of one or more multiple dependent claims							\$ 0.00
<input type="checkbox"/>	Fee for Request for Extension of Time ( month(s))							\$ 0.00
<input checked="" type="checkbox"/>	Fee for Request for Continued Examination							\$ 750.00
<b><u>Total additional fee for this Amendment:</u></b>							\$	840.00
<input checked="" type="checkbox"/>	Please charge Deposit Account No. 502641 in the amount of							\$ 840.00
<input checked="" type="checkbox"/>	Conditional Petition for Extension of Time: If an extension of time is required, the Commissioner is authorized to deduct the necessary fee from Deposit Account No. 502641.							
<input checked="" type="checkbox"/>	Also, charge any additional fees required and credit any overpayment to Deposit Account No. 502641.							
<input type="checkbox"/>	Enclosed is a check in the amount of							\$ _____

**EXPRESS MAIL LABEL NO.:**

**ER 070 767 528 US**

Respectfully submitted,

*Ronald J. Meetin*

Ronald J. Meetin  
Attorney for Applicant(s)  
Reg. No. 29,089

210 Central Avenue  
Mountain View, California  
Tel.: 650-964-9767

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Amend C  
y Robinson  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Mountain View, California  
10 June 2003

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**AMENDMENT**

Sir:

Responsive to the Office Action mailed 11 March 2003, please amend the above patent application as follows:

IN THE CLAIMS

Amend Claims 2, 3, and 5 - 8 to read:

C1  
--2. (Twice amended) The ESD protection structure of Claim 8, wherein said first conductivity type is n-type, and said second conductivity type is p-type.

3. (Twice amended) The ESD protection structure of Claim 8, wherein said first conductivity type is p-type, and said second conductivity type is n-type.

C2  
5. (Three times amended) The ESD protection structure of Claim 8, wherein said third semiconductor region includes a well region of said first conductivity type formed in a semiconductor substrate of said second conductivity type.

Ronald J. Meetin  
Attorney at Law  
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Mountain View, CA  
94043-4869  
Tel.: 650-964-9767  
Fax: 650-964-9779